

Clean Version of Amended Claims

1 (currently amended). A Baculovirus of which the capsid has been modified to display one or more heterologous peptides.

2 (currently amended). The Baculovirus according to claim 1, wherein vp39, p24 or p80 is modified.

3 (currently amended). The Baculovirus according to claim 2, wherein vp39 is modified.

4 (currently amended). The Baculovirus according to claim 3, wherein vp39 is modified with a fusion protein at the N- and/or C-terminus.

5 (currently amended). The Baculovirus according to claim 1, wherein the modification allows nuclear or subcellular targeting.

6 (currently amended). A Baculovirus vector of which the genome has been modified to express one or more heterologous peptides in its capsid.

7 (currently amended). The Baculovirus according to claim 6, wherein the baculovirus vector contains at least 3 genes.

8 (currently amended). The Baculovirus according to claim 6, wherein one or more heterologous genes are at least 10 kb long.

9 (currently amended). The Baculovirus according to claim 6, comprising a human gene.

10 (currently amended). A method for delivering a peptide into the nucleus of a cell wherein said method comprises contacting the cell with;

(i) a Baculovirus of which the capsid has been modified to display one or more heterologous peptides, or

(ii) a Baculovirus of which the genome has been modified to express one or more heterologous peptides in its capsid.

11 (currently amended). The method according to claim 10, wherein the cell is an insect cell.

12 (currently amended). The method according to claim 10, wherein the cell is a mammalian cell.

13 (currently amended). The method according to claim 10, wherein the cell is *E. coli*.

14 (currently amended). A method for selecting a target gene, which comprises the steps of:

- (i.) generating a library of genes or genomic fragments cloned in a Baculovirus vector;
- (ii.) transforming a host cell with a the Baculovirus vector; and
- (iii.) detecting gene expression under predetermined conditions.

15 (currently amended). The method according to claim 14, wherein the predetermined conditions comprise a set of different conditions under which expression of the target gene may or may not be detected.

16 (currently amended). The method according to claim 15, wherein the different conditions comprise limiting dilution.

17 (currently amended). The method according to claim 14, wherein step (iii) comprises identification of a phenotype.

18 (currently amended). The method according to claim 14, wherein step (iii) is repeated following selection of one or some of the products of the predetermined conditions.

19 (currently amended). The method according to claim 14, which additionally comprises characterizing the gene expressed under the predetermined conditions.